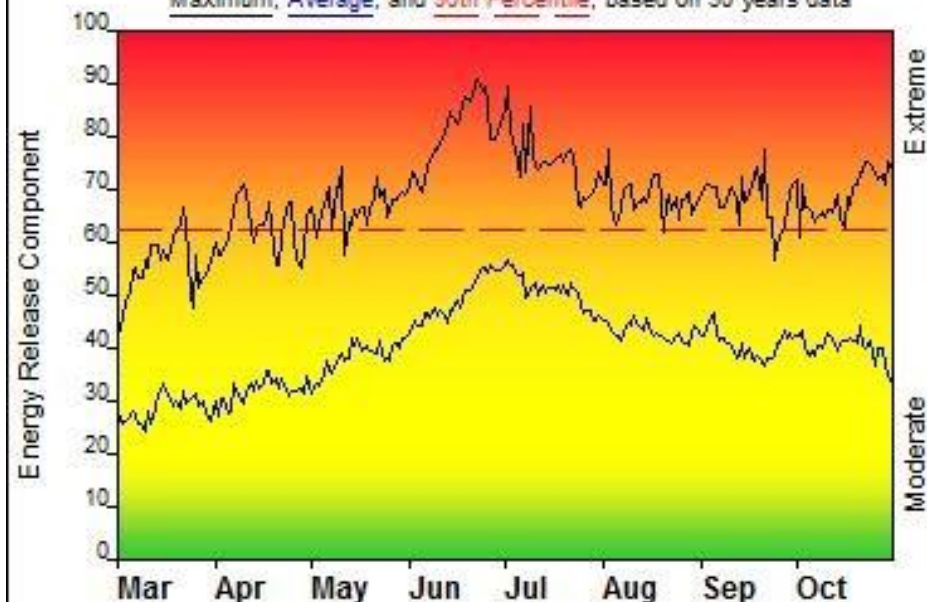


## FIRE DANGER -- UCRIFMU-Timber-2016

Maximum, Average, and 90th Percentile, based on 30 years data



## Fire Danger Area:

- ◆ West Central Colorado
- ◆ WRF-GRD-GMF
- ◆ Areas above 8500 ft
- \* Meets NWCG Wx Station Standards



## Fire Danger Interpretation:



- EXTREME** -- Use extreme caution
- (Caution)** -- Watch for change
- Moderate** -- Lower Potential, but always be aware

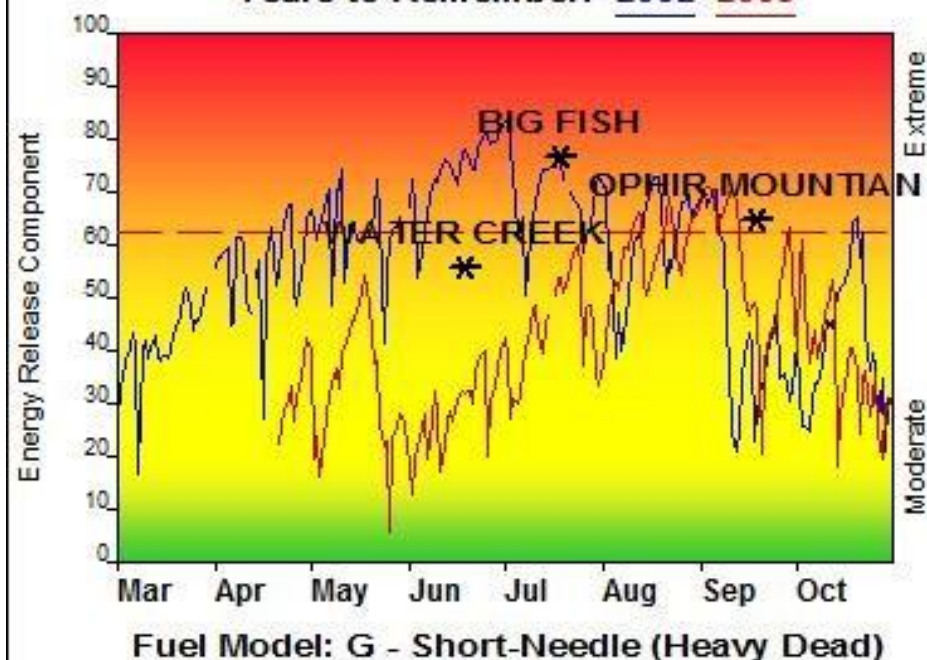
Maximum -- Highest Energy Release Component by day for 1986 - 2015

Average -- shows peak fire season over 30 years (6810 observations)

90th Percentile -- Only 10% of the 6810 days from 1986 - 2015 had an Energy Release Component above 62

**Local Thresholds - Watch out:** Combinations of any of these factors can greatly increase fire behavior:  
20' Wind Speed over 15 mph, RH less than 20%,  
Temperature over 75, Energy Release Component over 64

## Years to Remember: 2002 2009



## Remember what Fire Danger tells you:

- ✓ Energy Release Component gives seasonal trends calculated from 2 pm temperature, humidity, daily temperature & rh ranges, and precip duration.
- ✓ Wind is NOT part of ERC calculation.
- ✓ Watch local conditions and variations across the landscape -- Fuel, Weather, Topography.
- ✓ Listen to weather forecasts -- especially WIND.

## Past Experience:

Timber fires usually spread by creeping surface fire, passive torching, and short-range spotting. They are usually controllable under moderate conditions (eg. Spraddle Creek Fire, 1998). During more extreme conditions, resulting from extended drought, wind and/or slope can support extreme fire behavior with active crown fire and long-range spotting. Extreme spread rates are usually related to high wind, such as the 7,000 acre run on the Big Fish Fire in August 2002 caused by a cold frontal passage with winds over 30 mph. The heavy dead/down fuels in these stands can also create fires that exhibit plume-dominated fire behavior that results in extreme, erratic, fuel-driven fire spread.

Responsible Agency: UCRIFMU D Scronek R. Wilmore,  
FF+4.1 build 1520 05/11/2016-16:25 (S:\Dispatch\!!!2015\In...\Timber SIG\_G\_2015\_ds\_5-15)

Design by NWCG Fire Danger Working Team